

## CLAIMS

1. A device comprising:

a substrate;

at least one solid-state optical amplifier  
attached to the substrate; and

a plurality of mirrors attached to the substrate  
and moveable relative to the substrate independent of each  
other;

wherein light having a wavelength within a  
selected range enters the device, is amplified by the  
amplifier and reflected by one of the mirrors to exit the  
device in a direction controlled by the mirror.

2. The device of claim 1, wherein the light is amplified  
by the amplifier before and after reflection by the mirror.

3. The device of claim 1, wherein the amplifier is  
attached to the mirror and moves with the mirror relative  
to the substrate.

4. The device of claim 1, wherein the amplifier is  
contained in the substrate.

10087876-030102